PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220
KENT-B-PCT	7.07.01.	l as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US2004/015411	17/05/2004	19/05/2003
Applicant		
		·
KENT STATE UNIVERSITY		
This International Search Report has bee according to Article 18. A copy is being tra	n prepared by this International Searching Aut ansmitted to the International Bureau.	hority and is transmitted to the applicant
This International Search Report consists	of a total of sheets.	
X It is also accompanied by	a copy of each prior art document cited in this	report.
Basis of the report		
a. With regard to the language, the	international search was carried out on the ba ess otherwise indicated under this item.	sis of the international application in the
The international this Authority (Ru	search was carried out on the basis of a transle 23.1(b)).	ation of the international application furnished to
b. With regard to any nucleo	otide and/or amino acid sequence disclosed	in the international application, see Box No. I.
2. Certain claims were fou	nd unsearchable (See Box II).	
3. Unity of invention is lack	king (see Box III).	
4. With regard to the title ,		
the text is approved as su	bmitted by the applicant.	
transit 1 1 1	hed by this Authority to read as follows:	
	BOMBARDMENT OF ALIGNING FIL	MS FOR LIQUID CRYSTALS
•	•	
5. With regard to the abstract,		
X the text is approved as sul	bmitted by the applicant.	
the text has been establish	ned, according to Rule 38.2(b), by this Authorit	y as it appears in Box No. IV. The applicant
may, within one month from	m the date of mailing of this international search	ch report, submit comments to this Authority.
6. With regards to the drawings,	·	
	ublished with the abstract is Figure No. 1	
X as suggested by the	•	
	s Authority, because the applicant failed to sug	gest a figure.
	Authority, because this figure better characte	•
b. none of the figures is to be	published with the abstract.	

INTERNATIONAL SEARCH REPORT

International Application No PCT/US2004/015411

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G02F1/1337 According to International Patent Classification (IPC) or to both national classification and IPC Minimum documentation searched (classification system followed by classification symbols) IPC 7 **G02F** Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) PAJ, EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to daim No. X PATENT ABSTRACTS OF JAPAN 1,20 vol. 1995, no. 06, 31 July 1995 (1995-07-31) -& JP 07 056172 A (SEIKO EPSON CORP), 3 March 1995 (1995-03-03) Υ abstract 2-7 9-19. 21-29 31-50 Α PATENT ABSTRACTS OF JAPAN 1,4,6,7, vol. 1998, no. 02, 9,10,23, 30 January 1998 (1998-01-30) 24,26, -& JP 09 281499 A (SUMITOMO BAKELITE CO 28,29, LTD), 31 October 1997 (1997-10-31) 31,32 abstract Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or other means ments, such combination being obvious to a person skilled document published prior to the international filing date but later than the priority date claimed *&* document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 16 September 2004 11/10/2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Ammerlahn, D

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C.(Continua	ntion) DOCUMENTS CONSIDERED TO BE RELEVANT			
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